KENTUCKY TRANSPORTATION CABINET
Department of Highways
Division of Highway Design

STORM SEWER DESIGN: COMPUTABLE TABLE

County: _____   Route: _____   Project No: _____   Item No: _____

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Inlet or M H (no.)	Station (ft)	Δ Acre (acre)	"C"	Δ CA (acre)	Σ CA (acre)	Δ T (min)	Σ T (min)	I ___ (in/hr)	Q (cfs)	Pipe Length (LF)	Pipe Slope (ft/ft)	Pipe Size (in)	Mean Velocity (fps)	Capacity (cfs)	

INSTRUCTION FOR STORM SEWER DESIGN COMPUTATION SHEET (TC 61-505)

COLUMN NO.

1	Number or symbol representing ends of sections of pipe (Use alternate lines).
3	Increment of area added at this point.
4	Average runoff coefficient for increment area A.
5	Increment CA (Col. 3 X Col. 4)
6	Total CA to this point (Col. 5 + Col. 6 previous line).
7	Time of flow in this section of pipe (Time to first inlet or manhole may be estimated or determined by use of overland flow charts).
8	Total time to this point.
9	Rainfall intensity for time T (Col. 8) from appropriate Intensity-Duration Curve.
10	Q = CIA (Col. 6 X Col. 9)
11	Length of section of pipe (Use unnumbered lines).
12	From centerline to centerline of manhole.
13	Size determined from pipe flow charts (Exhibits 4-516) (TC pipe, n = .012, assumed in example).
14	Mean velocity from Pipe Flow Chart (Exhibits 4 - 516).
15	From Pipe Flow Charts Exhibits 4-516.